

Claims

What is claimed is:

- 1 1. A system comprising:
2 a computer system including a processor and a memory and
3 configured to boot using a system firmware;
4 the system firmware including instructions for causing the computer
5 system to:
6 detect a test apparatus coupled to the computer system; and
7 initiate a manufacturing mode of the system firmware in
8 response to detecting the test apparatus coupled to the computer system.
- 1 2. The system of claim 1, wherein the system firmware includes instructions for
2 causing the computer system to:
3 provide a first value to the test apparatus;
4 receive a second value from the test apparatus in response to
5 providing the first value to the test apparatus; and
6 initiate the manufacturing mode in response to receiving the second
7 value from the test apparatus.
- 1 3. The system of claim 2, wherein the system firmware includes instructions for
2 causing the computer system to:
3 store the first value in a first storage location;
4 store a third value in a second storage location; and
5 receive the second value from a third storage location identified by the
6 third value.

- 1 4. The system of claim 3, wherein the system firmware includes instructions for
2 causing the computer system to:
3 perform an operation to cause the test apparatus to receive the first
4 value and the third value.

- 1 5. The system of claim 4, wherein the operation is an input / output operation.

- 1 6. The system of claim 4, wherein the operation is a memory operation.

- 1 7. The system of claim 2, wherein the system firmware includes instructions for
2 causing the computer system to:
3 not initiate the manufacturing mode in response to not receiving the
4 second value from the test apparatus.

- 1 8. The system of claim 1, wherein the manufacturing mode of the system
2 firmware includes instructions for causing the computer system to:
3 receive information from the test apparatus; and
4 store the information on a device in the computer system.

- 1 9. The system of claim 1, wherein the manufacturing mode of the system
2 firmware includes instructions for causing the computer system to:
3 store the system firmware on a device in the computer system.

1 10. A computer program product comprising:
 2 a system firmware processable by a computer system for causing the
 3 computer system to:
 4 detect a test apparatus coupled to the computer system; and
 5 initiate a manufacturing mode of the system firmware in
 6 response to detecting the test apparatus coupled to the computer system;
 7 and
 8 a storage apparatus from which the system firmware is accessible by
 9 the computer system.

1 11. The computer program product of claim 10, the system firmware processable
 2 by the computer system for causing the computer system to:
 3 provide a first value to the test apparatus;
 4 receive a second value from the test apparatus in response to
 5 providing the first value to the test apparatus; and
 6 initiate the manufacturing mode in response to receiving the second
 7 value from the test apparatus.

1 12. The computer program product of claim 11, the system firmware processable
 2 by the computer system for causing the computer system to:
 3 store the first value in a first storage location;
 4 store a third value in a second storage location; and
 5 receive the second value from a third storage location identified by the
 6 third value.

1 13. The computer program product of claim 12, the system firmware processable
 2 by the computer system for causing the computer system to:
 3 perform an operation to cause the test apparatus to receive the first
 4 value and the third value.

- 1 14. The computer program product of claim 13, wherein the operation is an input
2 / output operation.
- 1 15. The computer program product of claim 13, wherein the operation is a
2 memory operation.
- 1 16. The computer program product of claim 11, the system firmware processable
2 by the computer system for causing the computer system to:
3 not initiate the manufacturing mode in response to not receiving the
4 second value from the test apparatus.
- 1 17. The computer program product of claim 10, the manufacturing mode of the
2 system firmware processable by the computer system for causing the
3 computer system to:
4 receive information from the test apparatus; and
5 store the information on a device in the computer system.
- 1 18. The computer program product of claim 10, the manufacturing mode of the
2 system firmware processable by the computer system for causing the
3 computer system to:
4 store the system firmware on a device in the computer system.
- 1 19. A method performed by a computer system comprising:
2 booting the computer system using a system firmware;
3 detecting a test apparatus coupled to the computer system; and
4 initiating a manufacturing mode of the system firmware in response to
5 detecting the test apparatus coupled to the computer system.

- 1 20. The method of claim 19, further comprising:
2 providing a first value to the test apparatus;
3 receiving a second value from the test apparatus in response to
4 providing the first value to the test apparatus; and
5 initiating the manufacturing mode in response to receiving the second
6 value from the test apparatus.
- 1 21. The method of claim 20, further comprising:
2 storing the first value in a first storage location;
3 storing a third value in a second storage location; and
4 receiving the second value from a third storage location identified by
5 the third value.
- 1 22. The method of claim 21, further comprising:
2 performing an operation to cause the test apparatus to receive the first
3 value and the third value.
- 1 23. The method of claim 22, further comprising:
2 performing the operation to cause the test apparatus to receive the
3 first value and the third value, wherein the operation is an input / output
4 operation.
- 1 24. The method of claim 22, further comprising:
2 performing the operation to cause the test apparatus to receive the
3 first value and the third value, wherein the operation is a memory operation.

- 1 25. The method of claim 20, further comprising:
2 not initiating the manufacturing mode in response to not receiving the
3 second value from the test apparatus.
- 1 26. The method of claim 19, further comprising:
2 in response to initiating the manufacturing mode of the system
3 firmware:
4 receiving information from the test apparatus; and
5 storing the information on a device in the computer system.
- 1 27. The method of claim 19, further comprising:
2 in response to initiating the manufacturing mode of the system
3 firmware:
4 storing the system firmware on a device in the computer
5 system.
- 1 28. A system comprising:
2 a test apparatus;
3 a circuit including a system firmware; and
4 a computer system coupled to the circuit, configured to boot using the
5 system firmware and configured to provide a first signal to the test apparatus;
6 the test apparatus configured to provide a second signal to the
7 computer system in response to receiving the first signal; and
8 the computer system configured to initiate a manufacturing mode of
9 the system firmware in response to receiving the second signal.

- 1 29. The system of claim 28, wherein the computer system is configured to store
2 the first signal as a first value in a first storage location, and wherein the test
3 apparatus is configured to store the second signal as a second value in a
4 second storage location.
- 1 30. The system of claim 29, wherein the computer system is configured to store a
2 third value in a third storage location, wherein the test apparatus is configured
3 to receive the third value, and wherein the third value identifies the second
4 storage location.